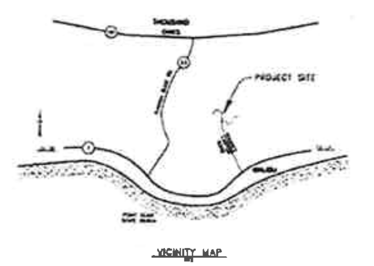
LEGEND

@	= AT
AC	= ACRE
A.C.	= ASPHALT CONCRETE
AGG.	= AGGREGATE
B.W.	= BOTH WAYS
℄	= CENTERLINE
CL.	= CLASS
CONC.	= CONCRETE
CONST.	= CONSTRUCT
DIA.	= DIAMETER
E	= EAST
EL.	= ELEVATION
EUC.	= EUCALYPTUS
E.V.C.	= END VERTICAL CURVE
EXIST.	= EXISTING
F.G.	= FINISH GROUND
F.H.	= FIRE HYDRANT
F.L.	= FLOW LINE
G	= GAS LINE
GALV.	= GALVANIZED
G.B.	= GRADE BREAK
H.P.	= HIGH POINT
I.D.	= INSIDE DIAMETER
INV.	= INVERT
LAT.	= LATERAL
L.F.	= LINEAR FEET
LN.	= LINE
LT.	= LEFT
M.H.	= MANHOLE
MIN.	= MINIMUM
N	= NORTH
P.C. CONC.	= PORTLAND CEMENT CONCRETE
PVC	= POLYVINYL CHLORIDE
S	= SOUTH
SF	= SQUARE FEET
SD	= STORM DRAIN
STD.	= STANDARD
T.C.	= TOP OF CURB
TEL.	= TELEPHONE
T.G.	= TOP OF GRATE
T.P.	= TOP OF PAVEMENT
TYP.	= TYPICAL
W	= WATER LINE
W	= WEST
R/W	= RIGHT OF WAY
W.S.	= WATER SERVICE



VICINITY MAP

GENERAL INFORMATION

OWNER:	SITE:	ENGINEER:
SANTA MONICA MOUNTAINS CONSERVANCY 2600 FRANKLIN CANYON DR. BEVERLY HILLS, CALIF., 90210 (310) 858-7272 x105 CONTACT: RHETT BEARD	SOUTH OF THE ENTRANCE TO RAMIREZ CANYON PARK 5810 RAMIREZ CANYON ROAD MALIBU, CA 90265 (310) 589-2230	PENFIELD & SMITH ENGINEERS 101 EAST VICTORIA STREET SANTA BARBARA, CA 93101 PHONE (805) 963-9532 CONTACT: HADY IZADPANAH, P.E. BRET FOSTER, P.E.

UNDERGROUND SERVICE ALERT (U.S.A.)

TELEPHONE UNDERGROUND SERVICE ALERT AT 1-800-422-4133 FORTY-EIGHT (48) HOURS PRIOR TO START OF CONSTRUCTION.

TIMBER NOTES

1. LUMBER GRADES SHALL BE AS FOLLOWS:

6x BEAMS	DOUGLAS FIR – SELECT STRUCTURAL – S4S
BLOCKING	DOUGLAS FIR – NUMBER 1 OR BETTER – S4S
BEARING BOARDS	DOUGLAS FIR – NUMBER 1 OR BETTER – ROUGH

2. ALL NAILS SHALL BE COMMON SIZE. NO BOX NAILS OR SINKERS ALLOWED. MINIMUM NAILING FOR BLOCKING SHALL BE PER CALIFORNIA BUILDING CODE. USE 3 [illegible] FOR EACH BLOCK, EACH SIDE.
3. LAG SCREWS SHALL BE PRE-DRILLED AS RECOMMENDED BY CBC STANDARDS AND SCREWED INTO PLACE.
4. ALL TIMBER CONNECTORS SHALL BE GALVANIZED OR PAINTED WITH CORROSION RESISTANT POLYMER PAINT.
5. INVOICES WHICH INDICATE THE GRADE FOR EACH PIECE OF LUMBER SHALL BE PROVIDED TO ENGINEER FOR VERIFICATION OF LUMBER QUALITY. EACH PIECE OF LUMBER SHALL BEAR THE GRADE STAMP.

SPECIFIC PROJECT CONDITIONS # 11

A. PRIOR TO THE ISSUANCE OF COASTAL DEVELOPMENT PERMIT 4-[illegible]-[illegible] THE APPLICANT SHALL SUBMIT A CONSTRUCTION PLAN TO UNDERTAKE THE WOODEN BRIDGE REINFORCEMENT MEASURES [illegible] BY PENFIELD & SMITH IN THE BRIDGE [illegible] ANALYSIS DATED FEBRUARY 22, 2006. THE PLAN SHALL PROHIBIT CONSTRUCTION IF WATER IS FLOWING IN THE CREEK, THAT A STAGING AREA OUTSIDE OF THE RIPARIAN CANOPY IS IDENTIFIED AND FLAGGED FOR CONSTRUCTION WORKERS AND TO STORE MATERIALS, THAT THE ZONE OF IMPACT TO RIPARIAN VEGETATION SURROUNDING THE BRIDGE AND BRIDGE FOOTINGS IS STRICTLY LIMITED TO THAT AREA NECESSARY FOR ACCESS BY NO MORE THAN THREE WORKERS WHO SHALL USE ONLY HAND TOOLS. THE PLAN SHALL PROVIDE FOR THE MONITORING OF CONSTRUCTION ACTIVITIES BY A QUALIFIED BIOLOGIST APPROVED BY THE EXECUTIVE DIRECTOR, AND THE BIOLOGIST SHALL BRIEF CONSTRUCTION WORKERS ON RESOURCE DAMAGE AVOIDANCE PRIOR TO THE COMMENCEMENT OF ANY ON SITE ACTIVITIES.

B. BRIDGE REINFORCEMENT SHALL BE COMPLETED NO LATER THAN THIRTY (30) DAYS AFTER ISSUANCE OF THIS COASTAL DEVELOPMENT PERMIT. WITHIN TEN (10) WORKING DAYS AFTER THE COMPLETION OF THE BRIDGE REINFORCEMENTS THE APPLICANT SHALL PROVIDE WRITTEN EVIDENCE, TO THE SATISFACTION OF THE EXECUTIVE DIRECTOR, THAT THE CONSULTING LICENSED CIVIL ENGINEER AND THE LOS ANGELES COUNTY FIRE DEPARTMENT, DIVISION OF FIRE AND LIFE SAFETY, HAVE APPROVED THE FINAL BRIDGE REINFORCEMENTS AND CONCLUDED THAT THE BRIDGE WILL SAFELY SUPPORT A 25-TON FIRE TRUCK FOR THE LENGTH OF TIME NECESSARY FOR SUCH A TRUCK TO CROSS THE BRIDGE. THE EXECUTIVE DIRECTOR MAY EXTEND THE APPLICABLE TIME LIMITS FOR GOOD CAUSE.

GENERAL REQUIREMENTS OF CONTRACTOR

1. THE CONTRACTOR AGREES THAT, IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONALS HARMLESS FROM ALL LIABILITY AND CLAIMS, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONALS.
2. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR VEHICULAR AND PEDESTRIAN TRAFFIC CONTROL AND SAFETY AND SHALL FURNISH, INSTALL AND MAINTAIN SUCH FENCING, SIGNS, LIGHTS, TRENCH PLATES, BARRICADES, AND/OR OTHER PROTECTION AS IS NECESSARY FOR SAID CONTROL AND SAFETY.
3. EXISTING ABOVE GROUND OR BURIED CONDUITS AND STRUCTURES KNOWN TO THE ENGINEER ARE SHOWN ON THESE PLANS. HOWEVER, ALL SUCH CONDUITS AND STRUCTURES MAY NOT BE SHOWN AND THE LOCATIONS OF THOSE SHOWN ARE APPROXIMATE ONLY AND HAVE NOT NECESSARILY BEEN INDEPENDENTLY VERIFIED BY THE PREPARER OF THESE PLANS.

GENERAL REQUIREMENTS OF CONTRACTOR (CONTINUED)

THE CONTRACTOR SHALL INDEPENDENTLY VERIFY THE PRESENCE OF BURIED CONDUITS AND STRUCTURES. BOTH ACTIVE AND ABANDONED-IN-PLACE UTILITIES OR SERVICE CONNECTION LOCATIONS SHALL BE IDENTIFIED PRIOR TO CONSTRUCTION WORK. CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES, CONDUITS AND STRUCTURES.

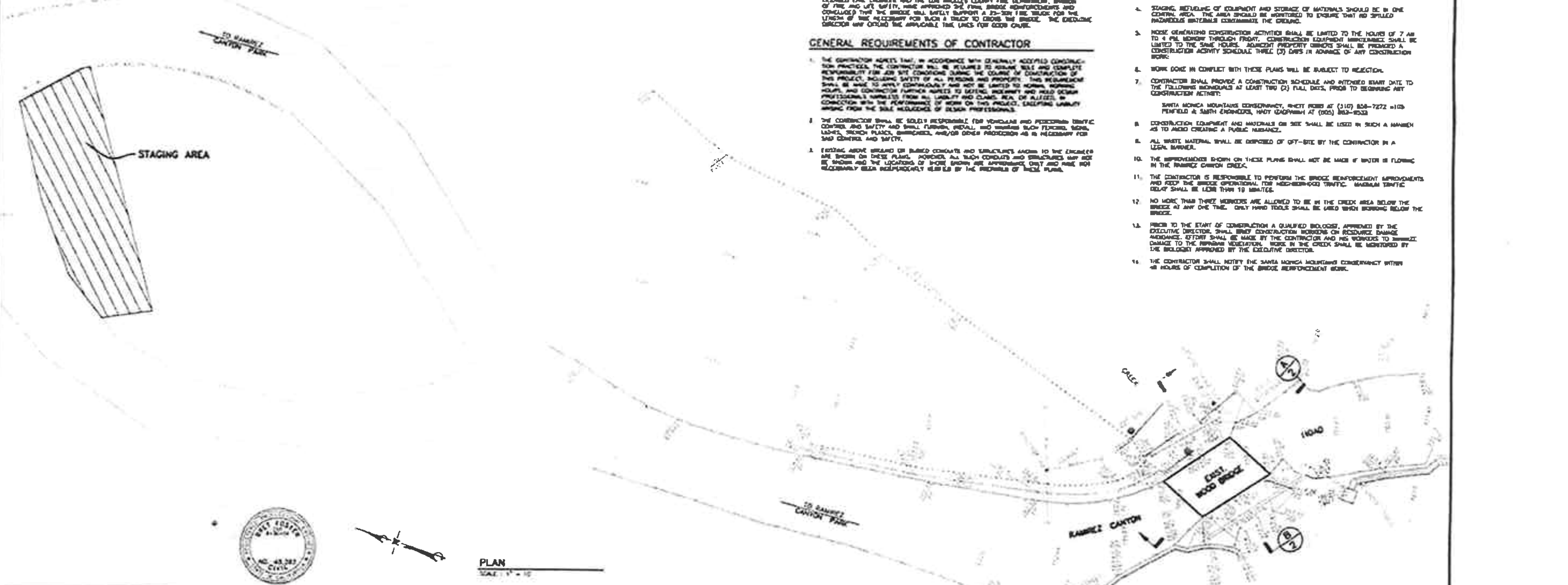
4. UNDERGROUND SERVICE ALERT (U.S.A.) SHALL BE CONTACTED AT (800) 422-4133, FORTY-EIGHT (48) HOURS PRIOR TO START OF ANY CONSTRUCTION OPERATION.
5. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY.
6. CONTRACTOR SHALL POSSESS A CONTRACTOR'S LICENSE OF A TYPE APPROPRIATE FOR THE WORK AND SHALL FURNISH EVIDENCE OF THE SAME AT THE TIME THE CONTRACT IS AWARDED.
7. CONTRACTOR SHALL MAINTAIN A COMPLETE AND ACCURATE RECORD OF ALL CONSTRUCTION CHANGES NOT SHOWN IN THESE PLANS AND SPECIFICATIONS FOR RECORD DRAWING INFORMATION. NO CHANGES IN CONSTRUCTION SHALL BE MADE WITHOUT PRIOR WRITTEN CONSENT OF THE ENGINEER OR DESIGNATED INSPECTOR.
8. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE ACTUAL LENGTH OF THE 6X12 BEAMS AND THE LENGTH AND NUMBER OF BEARING BOARDS REQUIRED TO PERFORM THE IMPROVEMENTS SHOWN HEREON. THE CONTRACTOR'S BID SHALL BE BASED UPON HIS OWN MEASUREMENTS AND QUANTITY TAKE-OFFS.
9. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT THE EXISTING IMPROVEMENTS IN PLACE. THE PAVEMENT AROUND THE BRIDGE, BRIDGE ABUTMENTS, BRIDGE RAILING AND TIMBER CURBS, AND THE SURROUNDING VEGETATION SHALL BE OBSERVED BY A REPRESENTATIVE OF THE SANTA MONICA MOUNTAINS CONSERVANCY, BOTH BEFORE AND AFTER CONSTRUCTION. PHOTO DOCUMENTATION OF EXISTING CONDITIONS SHALL BE MADE PRIOR TO THE START OF CONSTRUCTION.

GENERAL CONSTRUCTION NOTES

1. ALL REFERENCED SPECIFICATIONS, CODES, DRAWINGS AND DETAILS SHALL BE INCORPORATED INTO THESE PLANS AND MADE A PART HEREOF AS IF SPELLED OUT OR DELINEATED IN THEIR ENTIRETY HEREON.
2. NO TREES HAVE BEEN DESIGNATED TO BE REMOVED, AS SUCH EXISTING TREES SHALL BE PROTECTED FROM DAMAGE.
3. TO THE EXTENT FEASIBLE CONSTRUCTION RELATED TRUCK TRIPS SHALL BE SCHEDULED DURING NON-PEAK HOURS TO HELP REDUCE TRUCK TRAFFIC AND AUTOMOBILE CONGESTION ON ROADWAYS SERVING THE PROJECT SITE.
4. STAGING, REFUELING OF EQUIPMENT AND STORAGE OF MATERIALS SHOULD BE IN ONE CENTRAL AREA. THE AREA SHOULD BE MONITORED TO ENSURE THAT NO SPILLED HAZARDOUS MATERIALS CONTAMINATE THE GROUND.
5. NOISE GENERATING CONSTRUCTION ACTIVITIES SHALL BE LIMITED TO THE HOURS OF 7 AM TO 4 PM, MONDAY THROUGH FRIDAY. CONSTRUCTION EQUIPMENT MAINTENANCE SHALL BE LIMITED TO THE SAME HOURS. ADJACENT PROPERTY OWNERS SHALL BE PROVIDED A CONSTRUCTION ACTIVITY SCHEDULE THREE (3) DAYS IN ADVANCE OF ANY CONSTRUCTION WORK.
6. WORK DONE IN CONFLICT WITH THESE PLANS WILL BE SUBJECT TO REJECTION.
7. CONTRACTOR SHALL PROVIDE A CONSTRUCTION SCHEDULE AND INTENDED START DATE TO THE FOLLOWING INDIVIDUALS AT LEAST TWO (2) FULL DAYS, PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITY:

   SANTA MONICA MOUNTAINS CONSERVANCY, RHETT BEARD AT (310) 858-7272 x105
   PENFIELD & SMITH ENGINEERS, HADY IZADPANAH AT (805) 963-9532

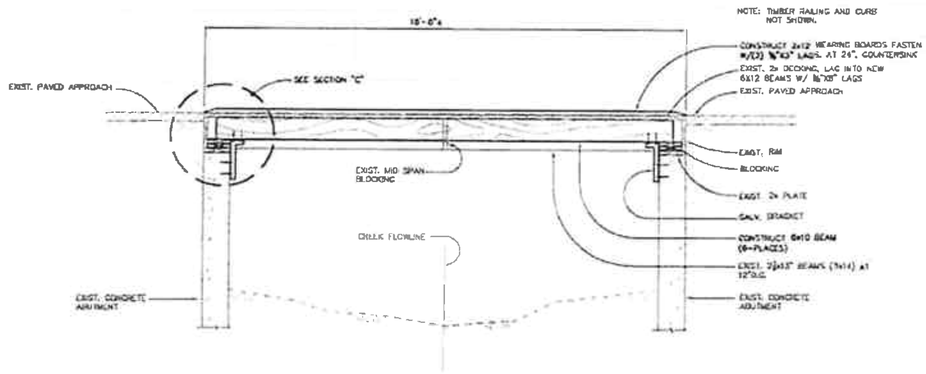
8. CONSTRUCTION EQUIPMENT AND MATERIALS ON SITE SHALL BE USED IN SUCH A MANNER AS TO AVOID CREATING A PUBLIC NUISANCE.
9. ALL WASTE MATERIAL SHALL BE DISPOSED OF OFF-SITE BY THE CONTRACTOR IN A LEGAL MANNER.
10. THE IMPROVEMENTS SHOWN ON THESE PLANS SHALL NOT BE MADE IF WATER IS FLOWING IN THE RAMIREZ CANYON CREEK.
11. THE CONTRACTOR IS RESPONSIBLE TO PERFORM THE BRIDGE REINFORCEMENT IMPROVEMENTS AND KEEP THE BRIDGE OPERATIONAL FOR NEIGHBORHOOD TRAFFIC. MAXIMUM TRAFFIC DELAY SHALL BE LESS THAN 10 MINUTES.
12. NO MORE THAN THREE WORKERS ARE ALLOWED TO BE IN THE CREEK AREA BELOW THE BRIDGE AT ANY ONE TIME. ONLY HAND TOOLS SHALL BE USED WHEN WORKING BELOW THE BRIDGE.
13. PRIOR TO THE START OF CONSTRUCTION A QUALIFIED BIOLOGIST, APPROVED BY THE EXECUTIVE DIRECTOR, SHALL BRIEF CONSTRUCTION WORKERS ON RESOURCE DAMAGE AVOIDANCE. EFFORT SHALL BE MADE BY THE CONTRACTOR AND HIS WORKERS TO MINIMIZE DAMAGE TO THE RIPARIAN VEGETATION. WORK IN THE CREEK SHALL BE MONITORED BY THE BIOLOGIST APPROVED BY THE EXECUTIVE DIRECTOR.
14. THE CONTRACTOR SHALL NOTIFY THE SANTA MONICA MOUNTAINS CONSERVANCY WITHIN 48 HOURS OF COMPLETION OF THE BRIDGE REINFORCEMENT WORK.



BRET FOSTER
NO. 48,287
CIVIL

PLAN
SCALE: 1" = 10'

REFERENCES DRAWING FILE 13638.DWG DATA FILE PROJECT FILE VIEW NAME TITLE PAGE XREF NAME(S) DATE: AUGUST 2, 2006	Penfield & Smith ENGINEERS + SURVEYORS 101 E. VICTORIA ST. (805) 963-9532 SANTA BARBARA CALIF. 93101 MAILING ADDRESS: P.O. BOX 98 (93102)	DESIGN: RLF CHECKED: DRAWN: FH BRET FOSTER DATE: PROJECT ENGINEER R.C.E. 48,287 (EXP. 6-30-04)	COUNTY OF LOS ANGELES, CALIFORNIA REVIEWED BY: FOR DATE
BRIDGE REINFORCEMENT PLAN AT RAMIREZ CANYON ROAD SANTA MONICA MOUNTAIN CONSERVANCY MALIBU, CALIFORNIA	WORK ORDER 13638.02	SHEET 1 OF 2	



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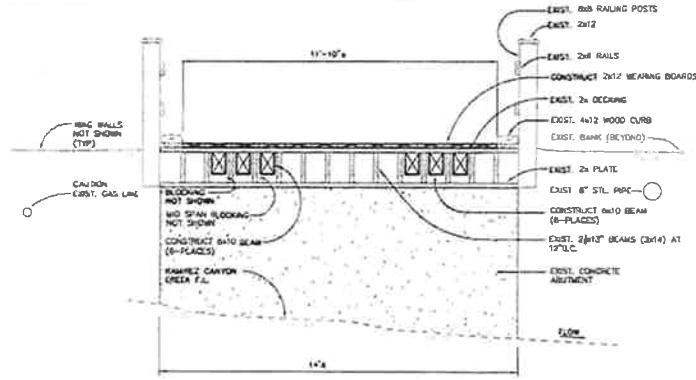

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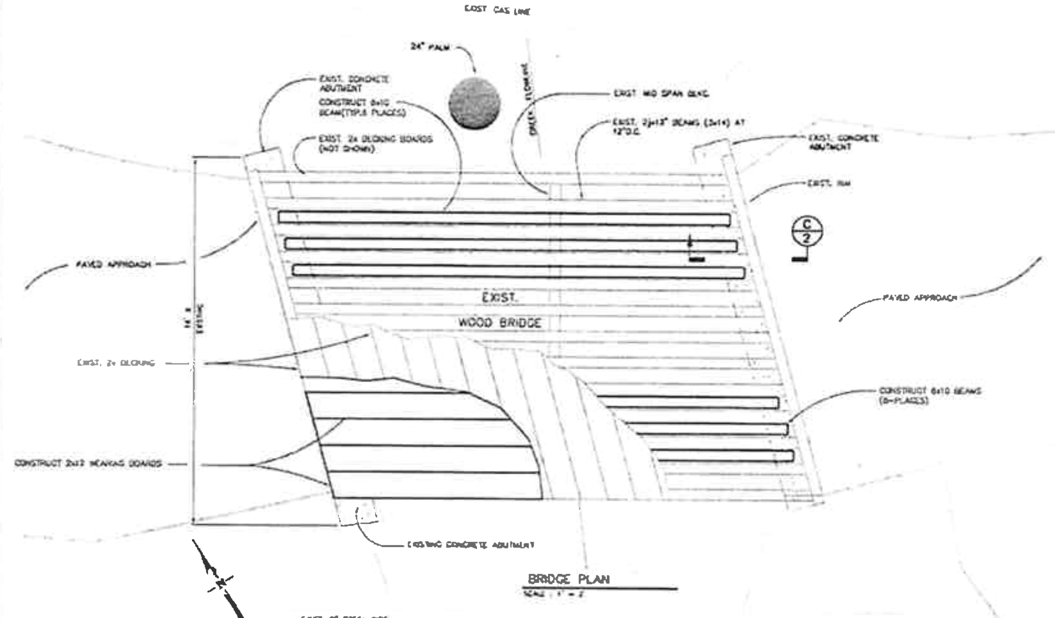
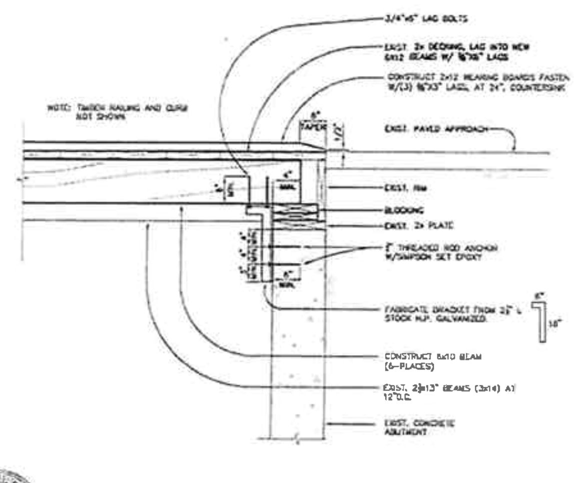


BRIDGE PLAN
SCALE : 1" = 2'



SECTION "C"
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REFERENCES:
DRAWING FILE: 13638 DWG
DATA FILE:
PROJECT FILE:
WEB NAME: BRIDGE DETAILS
XREF NAME(S):
DATE: AUG 22, 2000

NO.	DATE	REVISIONS	APPD

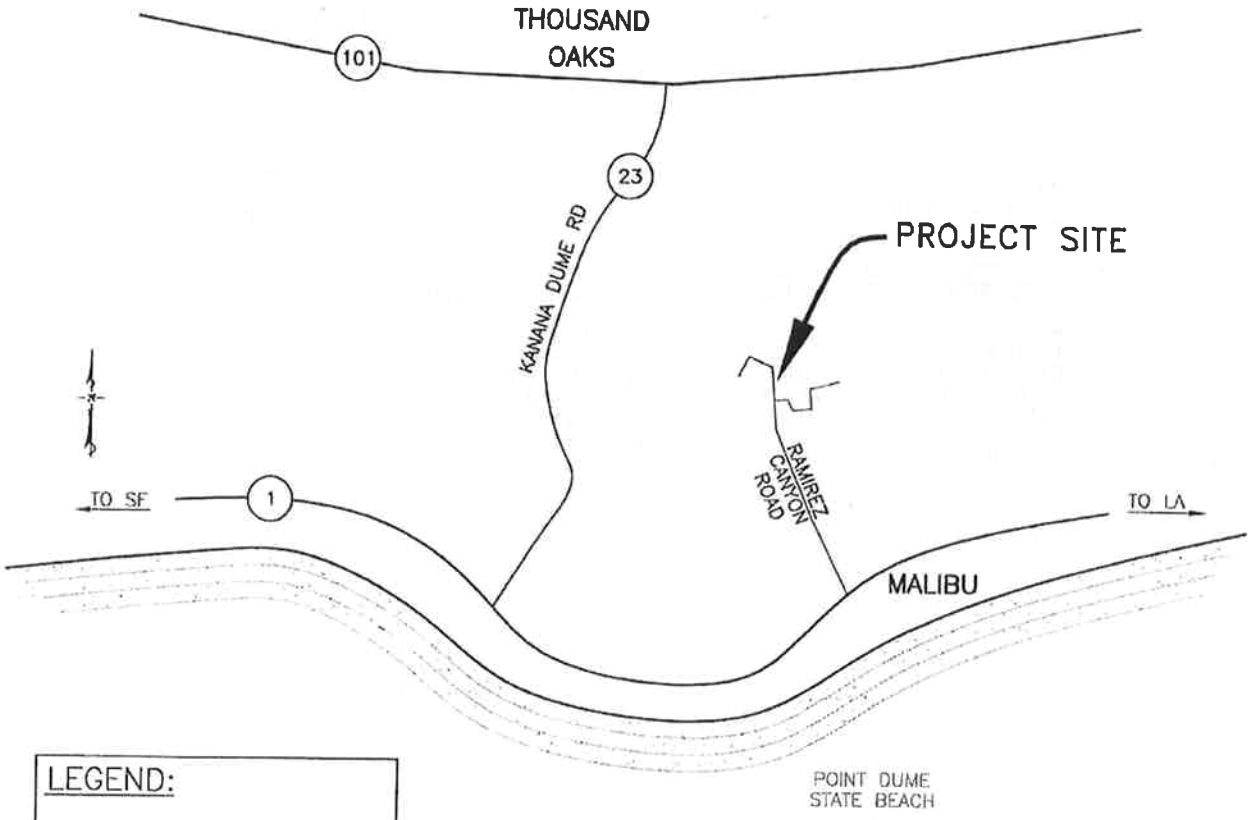
Penfield & Smith
ENGINEERS • SURVEYORS
101 E. VICTORIA ST SANTA BARBARA
(805) 963-9532 CALIF. 93101
MAILING ADDRESS: P.O. BOX 98 (93102)

DESIGN: BEF CHECKED:
DRAWN: FH
HADY IZADPANAH DATE:
PROJECT ENGINEER
R.C.E. 45832 EXP. 12-31-03

COUNTY OF LOS ANGELES, CALIFORNIA
REVIEWED BY:
DATE:

BRIDGE IMPROVEMENT PLAN
RAMIREZ CANYON PARK
SANTA MONICA MOUNTAIN CONSERVANCY
MALIBU, CALIFORNIA

WORK ORDER 13638.01
SHEET 2 OF 2
L.A. COUNTY FILE



LEGEND:

- UTILITY POLE
- DROP INLET/CATCH BASIN
- DECORATIVE BRICK PAVEMENT
- BRICK PAVEMENT
- COBBLE STONE PAVEMENT
- WOODEN DECKING
- GABIONS
- GRASS PAVERS
- PROPOSED PARKING AREAS
- GRAVEL OR ROCK RIP-RAP
- (1) CONSTRUCTION NOTE
- UNIMPROVED BANK (TOE)
- COLUMN FENCING
- CHAIN LINK FENCE
- FLOWLINE (CREEK)
- CONCRETE GARDEN/RETAINING WALL
- ROCK GARDEN/RETAINING WALL

VICINITY MAP
NTS

RAMIREZ CANYON PARK
EMERGENCY ACCESS, ON-SITE PARKING AND BEST MANAGEMENT PRACTICES PLAN

SANTA MONICA MOUNTAIN CONSERVANCY

Penfield & Smith
ENGINEERS • SURVEYORS

13638.01 13638G2.dwg

March 6, 2000

SHEET 1 OF 17

GENERAL NOTES

1. ALL REFERENCED SPECIFICATIONS, CODES, DRAWINGS AND DETAILS SHALL BE INCORPORATED INTO THESE PLANS AND MADE A PART HEREOF AS IF SPELLED OUT OR DELINEATED IN THEIR ENTIRETY HEREON.

2. BEFORE BEGINNING WORK, THE CONTRACTOR SHALL DETERMINE OR VERIFY THE LOCATION AND FLOW LINE ELEVATION OF ALL EXISTING WATER AND DRAINAGE STRUCTURES AND/OR CONDUITS TO BE JOINED TO OR AFFECTED BY THE NEW CONSTRUCTION. IF DIFFERENCES ARE OBSERVED THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER BY PHONE AND IN WRITING.

3. EXISTING PERMANENT SURVEY MONUMENTS (IF ANY), INCLUDING PROPERTY CORNERS AND BENCHMARKS, SHALL BE PRESERVED BY THE CONTRACTOR OR SHALL BE TIED-OUT PRIOR TO CONSTRUCTION AND RE-SET AFTER CONSTRUCTION BY A LICENSED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE.

4. NO TREES HAVE BEEN DESIGNATED TO BE REMOVED. TREES IN THE AREA TO BE GRADED SHALL BE PROTECTED FROM DAMAGE AND SURROUNDED BY TEMPORARY FENCING.

5. AREAS TO BE GRADED SHALL FIRST BE CLEARED OF ORGANIC DEBRIS. CLEARED MATERIAL SHALL BE TRANSPORTED TO SUITABLE DISPOSAL SITE AT THE CONTRACTORS EXPENSE. AREAS TO RECEIVE FILL MATERIAL SHALL BE FILLED WITH LIFTS NOT EXCEEDING 8-INCHES AND COMPACTED TO 95% MAXIMUM RELATIVE DENSITY. THE COMPACTION STANDARDS FOR TESTING RELATIVE DENSITIES SHALL BE THE ASTM D--1557-82 METHOD OF COMPACTION USING A FULL 5--LAYER CURVE. DO NOT MODIFY TO THREE LAYERS.

6. WHEN THE MOISTURE CONTENT OF THE FILL MATERIAL IS NOT SUFFICIENT TO ACHIEVE REQUIRED COMPACTION, WATER SHALL BE ADDED UNTIL THE SOILS ATTAIN A MOISTURE CONTENT SO THAT THOROUGH BONDING IS ACHIEVED DURING THE COMPACTING PROCESS. WHEN THE MOISTURE CONTENT OF THE FILL MATERIAL IS EXCESSIVE, THE FILL MATERIAL SHALL BE AERATED BY BLADING OR OTHER SATISFACTORY METHODS UNTIL THE MOISTURE CONTENT IS REDUCED TO AN ACCEPTABLE CONTENT TO ACHIEVE PROPER COMPACTION.

7. IF IMPORT OF SOIL IS REQUIRED, IT SHALL BE A GRANULAR NON-EXPANSIVE SOIL. THE SOIL SHALL HAVE AN EXPANSION INDEX OF 20 OR LESS, AS DETERMINED BY THE UBC STANDARD NUMBER 18-2.

8. IF NOT DIMENSIONED, LOCATION OF FINISH GRADE ELEVATIONS AND FEATURES SUCH AS SWALES, RIDGE LINES, ETC. SHALL BE DETERMINED BY SCALE FROM KNOWN POINTS SHOWN ON THE PLANS. UNIFORM GRADIENTS OR VERTICAL CURVES, AS APPROPRIATE, SHALL BE ASSUMED BETWEEN CONTROL ELEVATIONS SHOWN ON THE PLANS. IN GENERAL, THE PROPOSED IMPROVEMENTS SHALL BE MODIFIED TO BEST FIT THE EXISTING FIELD CONDITIONS.

9. ALL FILL SLOPES CREATED DURING THE GRADING OPERATION SHALL BE PROPERLY SHAPED TO A MAXIMUM SLOPE ANGLE OF TWO HORIZONTAL TO ONE VERTICAL AND RECOMPACTED BY ROLLING THE SHEEPSFOOT ROLLER OR SIMILAR COMPACTION EQUIPMENT OVER THE SLOPE FACE AT VERTICAL LIFT INTERVALS OF 30-INCHES OR LESS.

10. THE DESIGN IS BASED UPON TOPOGRAPHIC INFORMATION AS SHOWN ON MAPS PREPARED BY AGUILAR ENGINEERING INCORPORATED, 937 SOUTH VIA LATA SUITE 500, COLTON, CA 92324. SINCE THE INFORMATION WAS OBTAINED BY OTHERS THE ACCURACY OF THE EXISTING CONDITIONS OF THE SITE AS SHOWN HEREON MAY NOT BE ACCURATELY REPRESENTED. FIELD MODIFICATIONS OR FIELD ENGINEERING MAY HAVE TO BE PERFORMED IN ORDER TO COMPLETE THE PROPOSED DRAINAGE IMPROVEMENTS.

11. THE CONTRACTOR SHALL CALCULATE EARTH WORK QUANTITIES PRIOR TO CONSTRUCTION AND PROVIDE SAID QUANTITIES TO THE OWNER.

12. VEHICLES ARE SHOWN AS SYMBOLS FOR THE PURPOSES OF QUANTIFYING THE SIZE AND NUMBER OF PARKING SPACES AVAILABLE AT THE SITE. PAINTED STRIPES ARE NOT PLANNED TO BE PLACED IN THE FIELD.

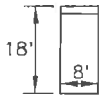
13. THE 56 TOTAL VEHICLE PARKING SPACES SHOWN HEREON PROVIDE FOR ELEVEN 15-PASSENGER VAN SPACES IN PARKING AREA 1. TWELVE SUPPORT VEHICLE SPACES IN PARKING AREAS 1 AND 4. TWO STANDARD, ONE COMPACT AND ONE PUMPER TRUCK SPACES AT THE RANGERS RESIDENCE. THIS LEAVES 28 SPACES AVAILABLE FOR EMPLOYEE AND MAINTENANCE STAFF PARKING.

RAMIREZ CANYON PARK
EMERGENCY ACCESS, ON-SITE PARKING AND BEST MANAGEMENT PRACTICES PLAN
SANTA MONICA MOUNTAIN CONSERVANCY

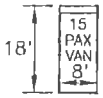
STORM DRAIN SPECIFICATIONS

1. STORM DRAINS, INLETS, PIPING, TRENCHING, BACKFILLING, ETC., SHALL BE CONSTRUCTED IN ACCORDANCE WITH APPLICABLE SECTIONS OF THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (HEREIN AFTER REFERRED TO AS THE STANDARD SPECIFICATIONS), THE UNIFORM BUILDING CODE, AND THESE PLANS.
2. ALL STORM DRAIN PIPES SHALL BE PVC OR CORRUGATED METAL PIPE AS INDICATED ON THESE PLANS.
3. FOSSIL FILTERS SHALL BE BY KRISTAR ENTERPRISES, INC., 8364 INDUSTRIAL AVENUE, COTATI, CA 94931, (707) 792-4665 OR APPROVED EQUIVALENT. CATCH BASINS SHALL BE BY BROOKS PRODUCTS OR EQUIVALENT.

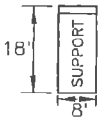
VEHICLE PARKING SYMBOLS AND DIMENSIONS



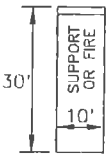
THIS SYMBOL REPRESENTS A STANDARD VEHICLE SIZE AS WELL AS A PICK-UP TRUCK SIZE FIRE PUMPER VEHICLE. THE DIMENSIONS OF THE SYMBOL ARE 8' WIDE BY 18' LONG.



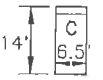
THIS SYMBOL REPRESENTS A 15 PASSENGER VAN SIZE. THE DIMENSIONS OF THE SYMBOL ARE 8' WIDE BY 18' LONG.



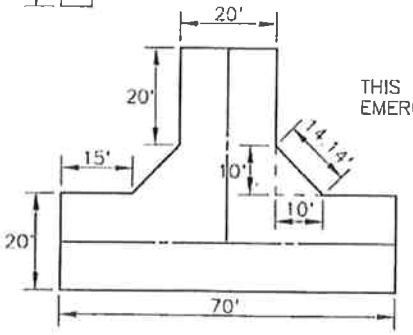
THIS SYMBOL REPRESENTS A STANDARD SIZE SUPPORT VEHICLE. THE DIMENSIONS OF THE SYMBOL ARE 8' WIDE BY 18' LONG.



THIS SYMBOL REPRESENTS A CATERING SUPPORT VEHICLE AS WELL AS THE ON-SITE FIRE TRUCK. THE DIMENSIONS OF THE VEHICLE ARE 10' WIDE BY 30' LONG.



THIS SYMBOL REPRESENTS A COMPACT VEHICLE. THE DIMENSIONS OF THE VEHICLE ARE 6.5' WIDE BY 14' LONG.



THIS SYMBOL REPRESENTS A THE AREA FOR EMERGENCY VEHICLE TURN-AROUND (HAMMERHEAD).

RAMIREZ CANYON PARK
EMERGENCY ACCESS, ON-SITE PARKING AND BEST MANAGEMENT PRACTICES PLAN
SANTA MONICA MOUNTAIN CONSERVANCY

Penfield & Smith
ENGINEERS • SURVEYORS

13638.01 13638G2.dwg March 6, 2000

PARKING AREA AND BMP IMPROVEMENTS

AREA	DESCRIPTION	NUMBER OF PARKING SPACES
1 NEAR ENTRANCE	THE EXISTING DIRT PARKING AREA SHALL BE GRADED TOWARD PROPOSED BIOSWALE AT 1% (MINIMUM). BIOSWALE SHALL BE GRADED TO ACCEPT STORM WATER RUN OFF FROM PARKING AREA AND CONVEY IT TO THE PROPOSED CATCH BASIN. THE CATCH BASIN SHALL BE FITTED WITH A FOSSIL FILTER TO CATCH ANY REMAINING POLLUTANTS.	11 VAN SPACES 2 LARGE SUPPORT SPACES 2 STANDARD SUPPORT SPACES 3 STANDARD SPACES
2 ART DECO HOUSE	THE EXISTING PARKING AREA IS SURFACED WITH PAVERS THAT ALLOW GRASS TO GROW IN BETWEEN THE PAVERS. THE RUN OFF IS CONVEYED BY SHEET FLOW ACROSS THE GRASS PAVERS AND DOWN A VEGETATED SLOPE. THE EXISTING FLOW PATTERNS TRAVEL THROUGH THE VEGETATED AREA, AND IS SUFFICIENT TO FILTER THE POLLUTANTS. NO ADDITIONAL BMP'S ARE REQUIRED.	3 STANDARD SPACES
3 NORTHERLY OF PEACH HOUSE	THE EXISTING PARKING AREA IS SURFACED WITH CONCRETE OR GRAVEL AND DRAINS INTO THE EXISTING CATCH BASINS. TO FILTER THE RUN OFF THE CATCH BASINS SHALL BE FITTED WITH FOSSIL FILTER INSERTS TO CAPTURE THE POLLUTANTS.	5 STANDARD SPACES 1 COMPACT SPACE 2 VAN ACCESSIBLE SPACES 1 FIRE TRUCK SPACE
4 WEST OF AREA 1	THE EXISTING DIRT PARKING AREA CURRENTLY DRAINS TOWARD THE CREEK VIA SHEET FLOW. THAT DRAINAGE PATTERN SHALL REMAIN. THE STORM WATER RUN OFF FLOWS INTO PARKING AREA 1 AND WILL BE TREATED BY THE FILTERS AS DESCRIBED IN 1, ABOVE.	8 STANDARD SUPPORT SPACES
5 EAST OF BARWOOD	THE EXISTING AREA IS SURFACED WITH BRICK AND IT CURRENTLY DRAINS TOWARD THE OUTLETS ON THE BRIDGE. THE OUT FALL OFF OF THE BRIDGE SHALL PASS THROUGH A FOSSIL FILTER THAT IS ATTACHED TO THE BRIDGE.	8 STANDARD SPACES
6 NORTH OF BARWOOD	THE EXISTING AREA IS SURFACED WITH BRICK AND IT GENERALLY DRAINS TOWARD THE EXISTING CATCH BASIN. THE BASIN SHALL BE FITTED WITH A FOSSIL FILTER INSERT TO CAPTURE POLLUTANTS.	2 STANDARD SPACES 2 COMPACT SPACES 1 HANDICAP SPACE
7 COURTYARD AT LODGE	PARKING IN THIS AREA HAS BEEN DELETED IN LIEU OF THE EMERGENCY VEHICLE TURN-AROUND.	0 SPACES
8 RANGER RESIDENCE	THE EXISTING AREA IS SURFACED WITH CONCRETE, ASPHALT, OR BRICK AND IT GENERALLY DRAINS TOWARD THE EXISTING CATCH BASIN AT THE BOTTOM OF THE DRIVEWAY. THE BASIN SHALL BE FITTED WITH A FOSSIL FILTER INSERT TO CAPTURE POLLUTANTS.	2 STANDARD SPACES 2 COMPACT SPACES 1 PUMPER TRUCK SPACE

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GENERAL REQUIREMENTS OF CONTRACTOR

1. THE CONTRACTOR AGREES THAT, IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONALS HARMLESS FROM ALL LIABILITY AND CLAIMS, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONALS.

2. THE CONTRACTOR AGREES TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR PROTECTION OF PUBLIC AND PRIVATE PROPERTY IN THE VICINITY OF THE JOB SITE AND FURTHER AGREES TO, AT CONTRACTOR'S EXPENSE, REPAIR OR REPLACE TO THE ORIGINAL CONDITION, ALL EXISTING IMPROVEMENTS WITHIN OR IN THE VICINITY OF THE JOB SITE WHICH ARE NOT DESIGNATED FOR REMOVAL AND WHICH ARE DAMAGED OR REMOVED AS A RESULT OF CONTRACTOR'S OPERATIONS.

3. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR VEHICULAR AND PEDESTRIAN TRAFFIC CONTROL AND SAFETY AND SHALL FURNISH, INSTALL, AND MAINTAIN SUCH FENCING, SIGNS, LIGHTS, TRENCH PLATES, BARRICADES, AND/OR OTHER PROTECTION AS IS NECESSARY FOR SAID CONTROL AND SAFETY.

4. EXISTING BURIED CONDUITS AND STRUCTURES KNOWN TO THE ENGINEER ARE SHOWN ON THESE PLANS. HOWEVER, ALL SUCH CONDUITS AND STRUCTURES MAY NOT BE SHOWN AND THE LOCATIONS OF THOSE SHOWN ARE APPROXIMATE ONLY AND HAVE NOT NECESSARILY BEEN INDEPENDENTLY VERIFIED BY THE PREPARER OF THESE PLANS.

   THE CONTRACTOR SHALL INDEPENDENTLY VERIFY THE PRESENCE OF BURIED CONDUITS AND STRUCTURES. BOTH ACTIVE AND ABANDONED-IN-PLACE AND, BEFORE COMMENCING WORK, CONTRACTOR SHALL DETERMINE THE EXACT LOCATION INCLUDING DEPTHS OF ALL EXISTING UNDERGROUND UTILITIES, CONDUITS AND STRUCTURES, INCLUDING SERVICE CONNECTIONS, WHICH MAY AFFECT OR BE AFFECTED BY HIS OPERATIONS. CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES, CONDUITS AND STRUCTURES.

   UPON ENCOUNTERING EXISTING BURIED CONDUITS OR STRUCTURES NOT SHOWN OR LOCATED DIFFERENTLY THAN SHOWN ON THE PLANS, CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AND THE OWNER OF THE CONDUIT OR STRUCTURE BY PHONE AND IN WRITING. IF SUCH CONDUIT OR STRUCTURE AFFECTS OR IS AFFECTED BY THE WORK, CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION AND DIRECTION BEFORE PROCEEDING WITH THE WORK. EXCEPTING THAT IN AN EMERGENCY AFFECTING SAFETY OF LIFE, WORK OR ADJACENT PROPERTY, CONTRACTOR SHALL ACT AT ONCE WITHOUT INSTRUCTIONS TO PREVENT INJURY OR LOSS.

5. UNDERGROUND SERVICE ALERT (U.S.A.) SHALL BE CONTACTED AT (800) 422-4133, FORTY-EIGHT (48) HOURS PRIOR TO START OF ANY GRADING OPERATIONS.

UNDERGROUND SERVICE ALERT (U.S.A.)

TELEPHONE UNDERGROUND SERVICE ALERT AT 1-800-422-4133 FORTY-EIGHT (48) HOURS PRIOR TO START OF CONSTRUCTION.

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DUST AND EROSION CONTROL NOTES

1. IN ADDITION TO THESE NOTES, THE CONTRACTOR WILL BE RESPONSIBLE TO MINIMIZE DUST GENERATION THROUGHOUT THE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL UTILIZE DUST CONTROL METHODS ON ANY DUST-PRODUCING CONDITION IN ORDER TO BE IN COMPLIANCE WITH REGULATIONS OF THE AIR POLLUTION CONTROL DISTRICT. DURING CLEARING, GRADING, EARTHWORK, EXCAVATION OR EMBANKMENT OPERATIONS, WATER TRUCKS OR SPRINKLER SYSTEMS ARE TO BE USED IN SUFFICIENT QUANTITIES TO PREVENT DUST FROM LEAVING THE SITE AND TO CREATE A CRUST AFTER EACH DAY'S ACTIVITIES CEASE. ALL EXPOSED AREAS AND ACCESS ROADS SHALL BE KEPT DAMP.

2. AFTER CLEARING, GRADING, EARTH MOVING, EXCAVATION OR EMBANKMENT OPERATIONS ARE COMPLETED THE ENTIRE AREA OF DISTURBED SOIL IS TO BE TREATED TO PREVENT WIND PICK-UP OF THE SOIL. THIS MAY BE ACCOMPLISHED BY:
   A. SEEDING AND WATERING UNTIL GRASS COVER IS GROWN.
   B. SPREADING SOIL BINDERS.
   C. WETTING THE AREA DOWN, SUFFICIENT TO FORM A CRUST ON THE SURFACE WITH REPEATED SOAKING AS NECESSARY TO MAINTAIN THE CRUST AND PREVENT DUST PICK-UP BY THE WIND.
   D. OTHER METHODS APPROVED IN ADVANCE BY THE AIR POLLUTION CONTROL DISTRICT.

3. INCREASED WATER FREQUENCY WILL BE REQUIRED WHENEVER THE WIND SPEED EXCEEDS 15 MPH.

4. APPROVED EROSION CONTROL DEVICES ARE REQUIRED AND THEY SHALL BE INSTALLED PRIOR TO NOVEMBER 1ST AND SHALL BE MAINTAINED ON THE SITE THROUGH APRIL 15TH OF THE FOLLOWING YEAR.

5. TO THE EXTENT FEASIBLE CONSTRUCTION RELATED TRUCK TRIPS SHALL BE SCHEDULED DURING NON-PEAK HOURS TO HELP REDUCE TRUCK TRAFFIC AND AUTOMOBILE CONGESTION ON ROADWAYS SERVING THE PROJECT SITE.

6. THE CONTRACTOR SHALL EMPLOY ALL LABOR, EQUIPMENT AND METHODS REQUIRED TO PREVENT HIS OPERATIONS FROM PRODUCING DUST IN AMOUNTS DAMAGING TO ADJACENT PROPERTY, CULTIVATED VEGETATION AND DOMESTIC ANIMALS OR CAUSING A NUISANCE TO PERSONS OCCUPYING BUILDINGS IN THE VICINITY OF THE JOB SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE CAUSED BY DUST RESULTING FROM GRADING OPERATIONS.

7. THE CONTRACTOR SHALL ENSURE PROTECTION MEASURES THAT GUARD AGAINST EROSION OF GRADED SOIL ARE IN PLACE PRIOR TO THE RAINY SEASON. THE PROTECTION MEASURES MAY NEED TO BE INSTALLED DURING OTHER PARTS OF THE YEAR SHOULD RAIN BE IMMINENT. THE CONTRACTOR SHALL ADJUST THE LIMITS OF THE PROTECTION MEASURES SHOULD THEY BE INADEQUATE TO CONTROL RUNOFF OF SILT LADEN WATER. THE CONTRACTOR SHALL CLEAN SUCH DEVICES INCLUDING SILT FENCE, STRAW BALES, DROP INLETS, AND CATCH BASINS AFTER EACH RAIN. THE PROTECTION MEASURES MAY BE TEMPORARILY MOVED OUT OF THE CONTRACTOR'S WAY TO FACILITATE CONSTRUCTION, PROVIDED THEY ARE REINSTALLED PRIOR TO THE NEXT RAIN STORM.

8. STAGING, REFUELING OF EQUIPMENT AND STORAGE OF MATERIALS SHOULD BE IN ONE CENTRAL AREA. THIS AREA MAY CHANGE THROUGHOUT CONSTRUCTION, AS REQUIRED. THE AREA SHOULD BE MONITORED TO ENSURE THAT NO SPILLED HAZARDOUS MATERIALS CONTAMINATE THE EXISTING GROUND. THIS SITE SHALL NOT BE LOCATED NEAR A STORM DRAIN INLET, DRAINAGE SWALE OR ADJACENT TO A FILL SLOPE.

9. NOISE GENERATING CONSTRUCTION ACTIVITIES SHALL BE LIMITED TO THE HOURS OF 7 AM TO 4 PM, MONDAY THROUGH FRIDAY. CONSTRUCTION EQUIPMENT MAINTENANCE SHALL BE LIMITED TO THE SAME HOURS. STATIONARY CONSTRUCTION EQUIPMENT THAT GENERATES NOISE WHICH EXCEEDS 65 dBA AT THE PROJECT BOUNDARIES SHALL BE SHIELDED TO PLANNING & DEVELOPMENT'S SATISFACTION AND SHALL BE LOCATED AT A MINIMUM OF 50 FEET FROM OCCUPIED RESIDENCES. ADJACENT PROPERTY OWNERS SHALL BE PROVIDED A CONSTRUCTION ACTIVITY SCHEDULE THREE (3) DAYS IN ADVANCE OF ANY CONSTRUCTION ACTIVITY.

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CONSTRUCTION NOTES

1. THE EXISTING DIRT PARKING AREA SHALL BE GRADED TOWARD PROPOSED BIOSWALE AT 1% (MINIMUM). THE GRADING SHALL BE LIMITED TO THE LOWER PARKING LOT AREA ADJACENT TO THE CREEK.
2. CONSTRUCT BIOSWALE PER DETAIL "C". THE EXISTING TOP OF THE CREEK BANK SHALL NOT BE LOWERED.
3. CONSTRUCT CATCH BASIN AND CMP OUTLET PIPE PER DETAILS "A" AND "B". ADJUSTMENTS OF GRADE AND PRECISE LOCATION OF THE CATCH BASIN AND PIPING SHALL BE MADE ON SITE TO BEST FIT THE FIELD CONDITIONS. CONSTRUCT ROCK RIP-RAP AT OUTLET.
4. MATCH EXISTING GRADE AT THE TOE OF SLOPE
5. DISTURBED AREAS SHALL BE SEEDED PER THE LANDSCAPE ARCHITECTS RECOMMENDATIONS.
6. EXISTING DIRT PARKING AREA AND ACCESS RAMP TO REMAIN.
7. PLACE 8-INCHES OF CRUSHED ROCK OVER FILTER FABRIC AT ENTRANCE TO DIRT PARKING AREA 1. ROCK SHALL EXTEND INTO PARKING AREA FOR 10-FEET.
8. PARKING AREA TO REMAIN AS IS. CLEAN SEDIMENT AND DEBRIS OUT CATCH BASINS AND FLUSH STORM DRAIN LINE TILL CLEAN.
9. INSTALL FOSSIL FILTER INSERTS INTO EXISTING CATCH BASIN.
10. CONSTRUCT SUPPLEMENTAL FOSSIL FILTER AT EDGE OF BRIDGE PER DETAIL "D".
12. CLEAN SEDIMENT AND DEBRIS OUT CATCH BASINS AND FLUSH STORM DRAIN LINE TILL CLEAN.
13. CONSTRUCT CONCRETE OR AC PAVEMENT TO WIDEN ROAD TO DIMENSIONS SHOWN ON PLAN (20-FEET WIDE MINIMUM BY 50-FOOT LONG MINIMUM) FOR VEHICLE TURNOUT. SEE DETAIL "E". POST NO-PARKING SIGNS AT TURN-OUTS.
14. CONSTRUCT 12X25 VEHICLE TURNOUT. SEE DETAIL "E".
15. LIMIT PARKING AREA TO PROVIDE ADEQUATE ROOM FOR EMERGENCY VEHICLE TURN-AROUND. REMOVE 0.2' OF GRAVEL AND CONSTRUCT 0.2' AC PAVEMENT AT PARKING AND TURN-AROUND AREAS. SEE DETAIL "E".
16. CONSTRUCT GRASS PAVE AREA FOR EMERGENCY VEHICLE TURN-AROUND.
17. THE VEHICLE ACCESS AREA AROUND THE ART DECO HOUSE WAS PREVIOUSLY APPROVED AS BEING ADEQUATE FOR EMERGENCY VEHICLE TURN-AROUND BY FIRE CAPTAIN JIM JORDAN DURING THE DECEMBER 15, 1999 SITE VISIT.
18. REMOVE ROCK TREE WELL. REBUILD WALL MATCHING EXISTING CONSTRUCTION. PATCH PAVEMENT PER DETAIL "E".
19. TRIM BUSHES BACK TO ALLOW FOR GREATER SIGHT DISTANCE ALONG ROADWAY.
20. TRIM BUSHES BACK TO ALLOW FOR VEHICLE PARKING.
21. CONSTRUCT SIGN AT ENTRY INTO PARKING AREA 1 WITH 2"HIGH WHITE LETTERING ON DARK BACKGROUND STATING "VAN SHUTTLE PARKING MUST USE THIS LOT".
22. REMOVE 0.2' OF EXISTING GRAVEL AND RE-LEVEL ROAD TO SLOPE AWAY FROM THE TOP OF SLOPE. PLACE 0.2' OF AC PAVEMENT PER DETAIL "E".

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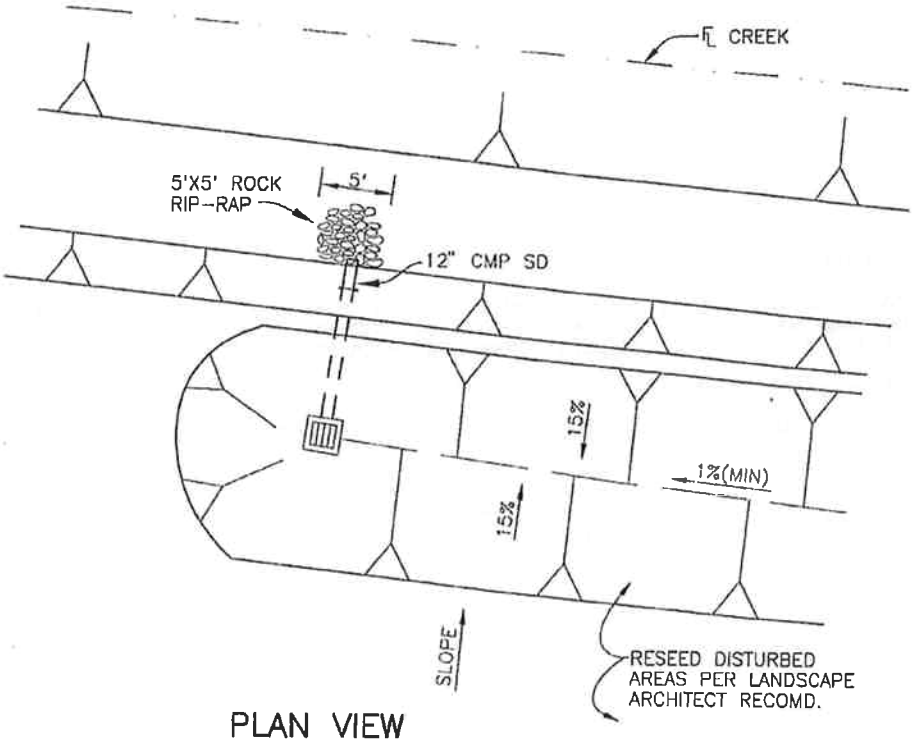
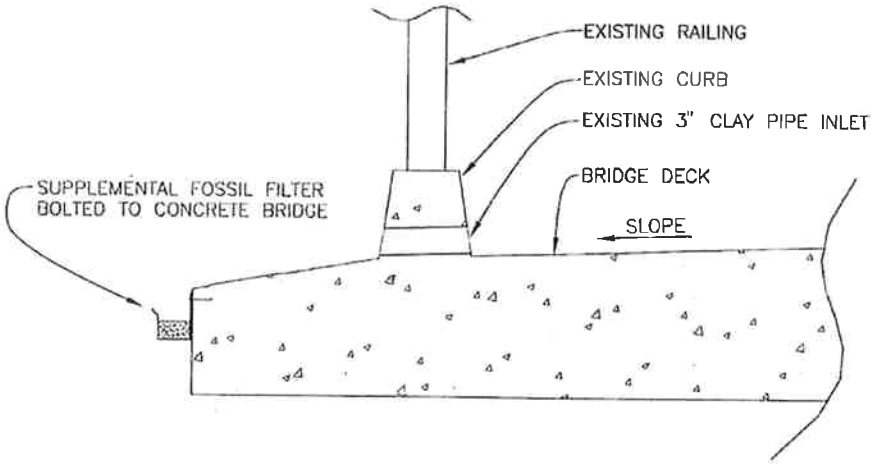


PLAN VIEW
BIOSWALE INLET/OUTLET (A)
NTS



BRIDGE FILTER DETAIL (D)
NTS

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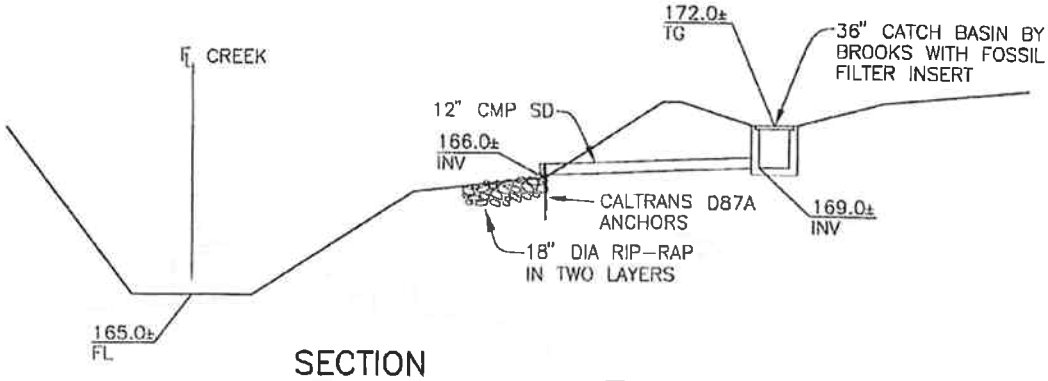
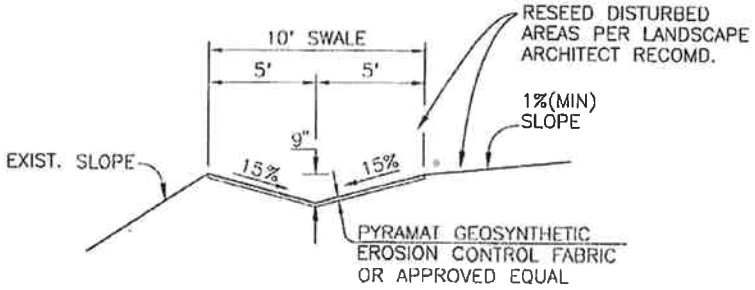
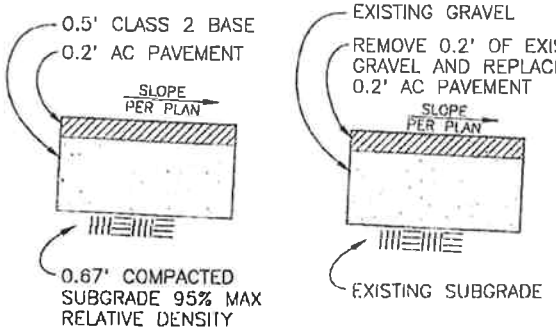


SECTION
BIOSWALE INLET/OUTLET B
NTS



BIOSWALE DETAIL C
NTS



TYPICAL PAVEMENT SECTION E
NTS

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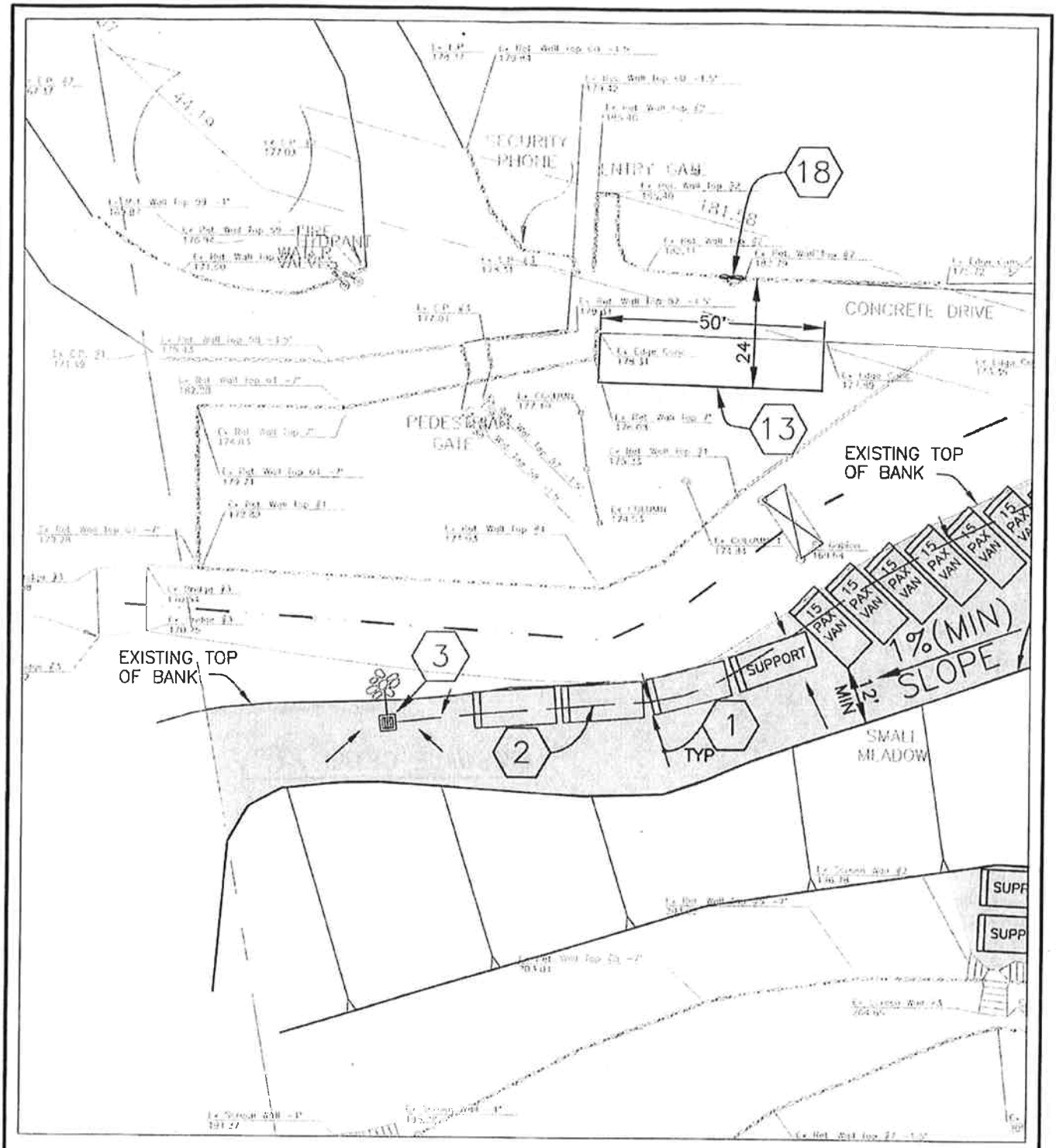

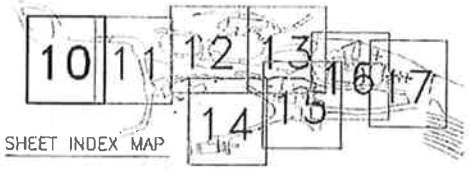

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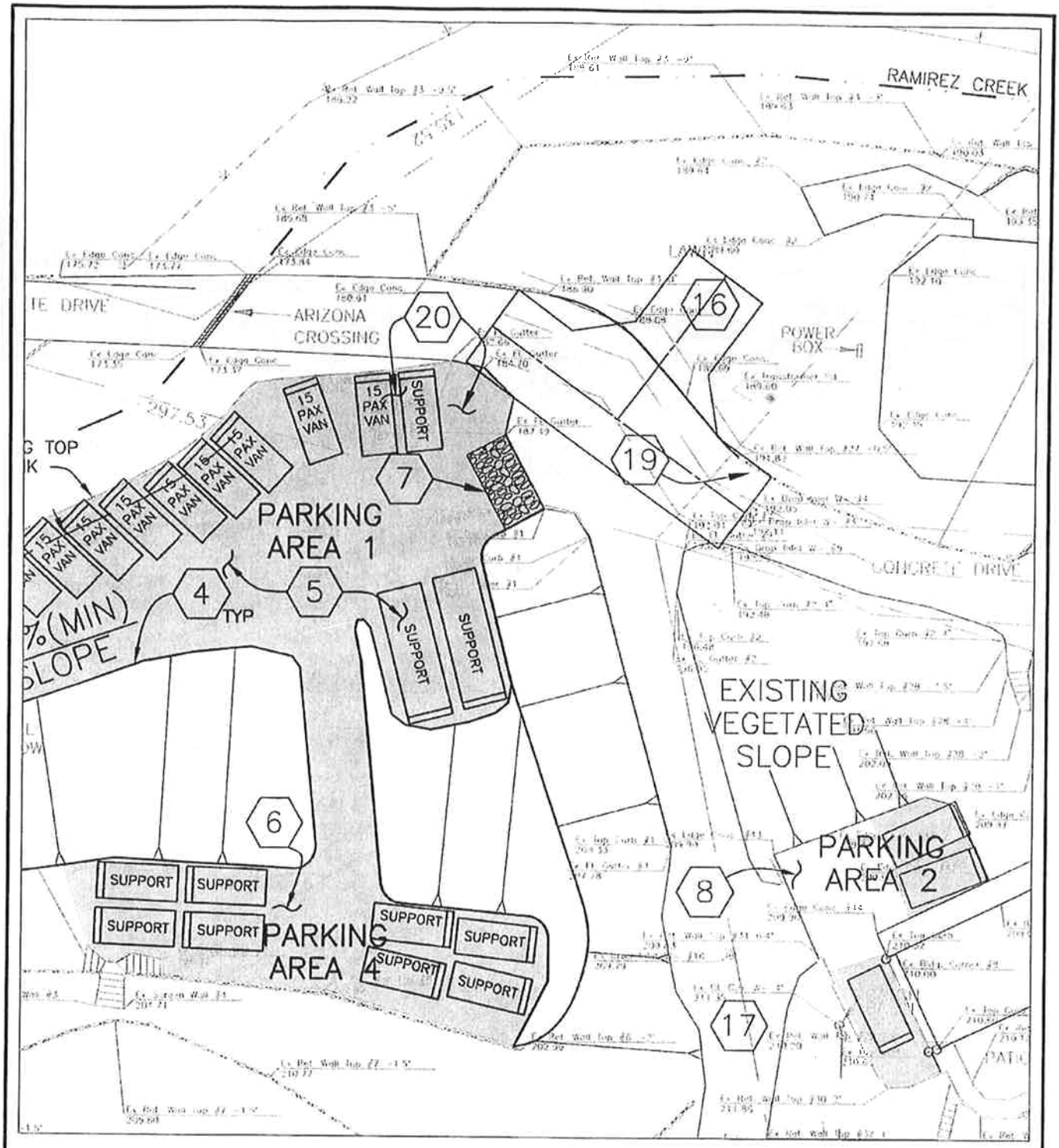

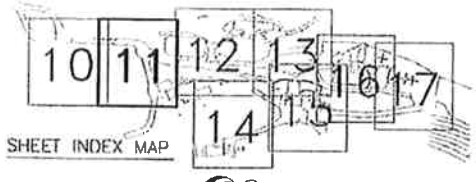

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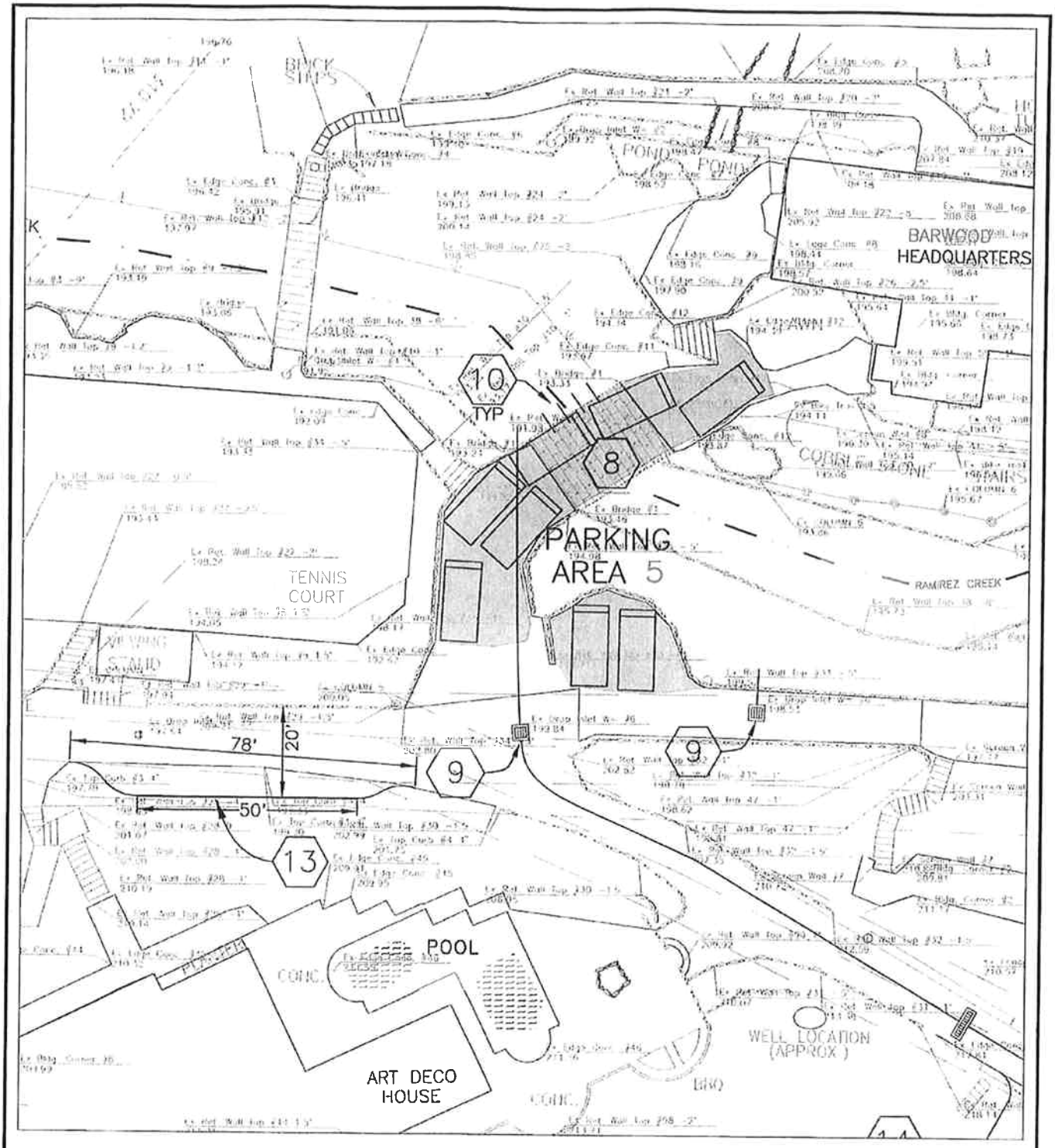

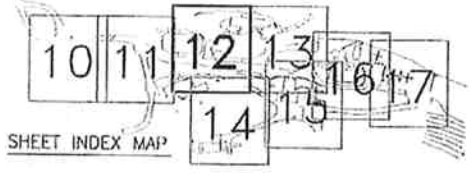

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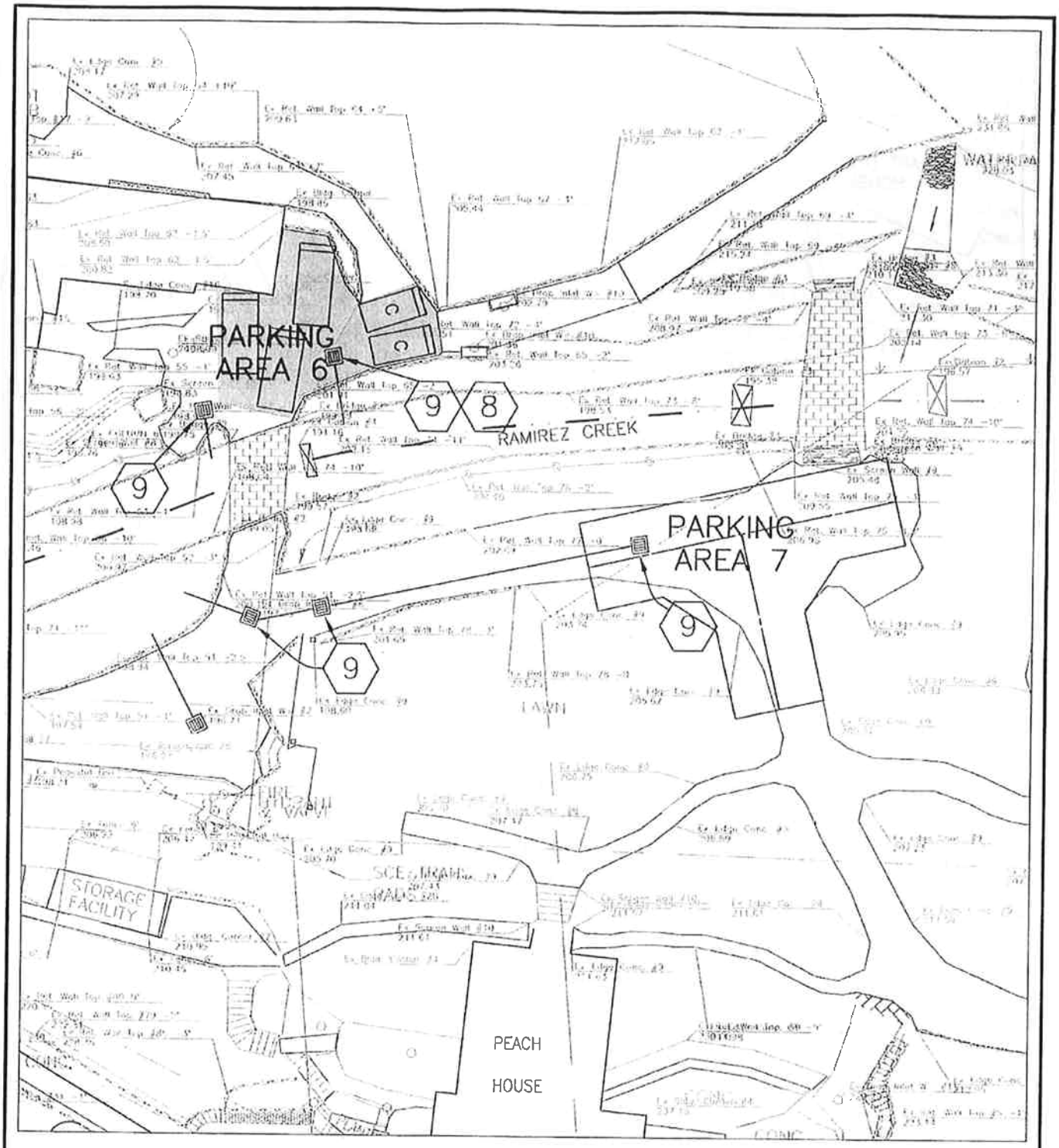

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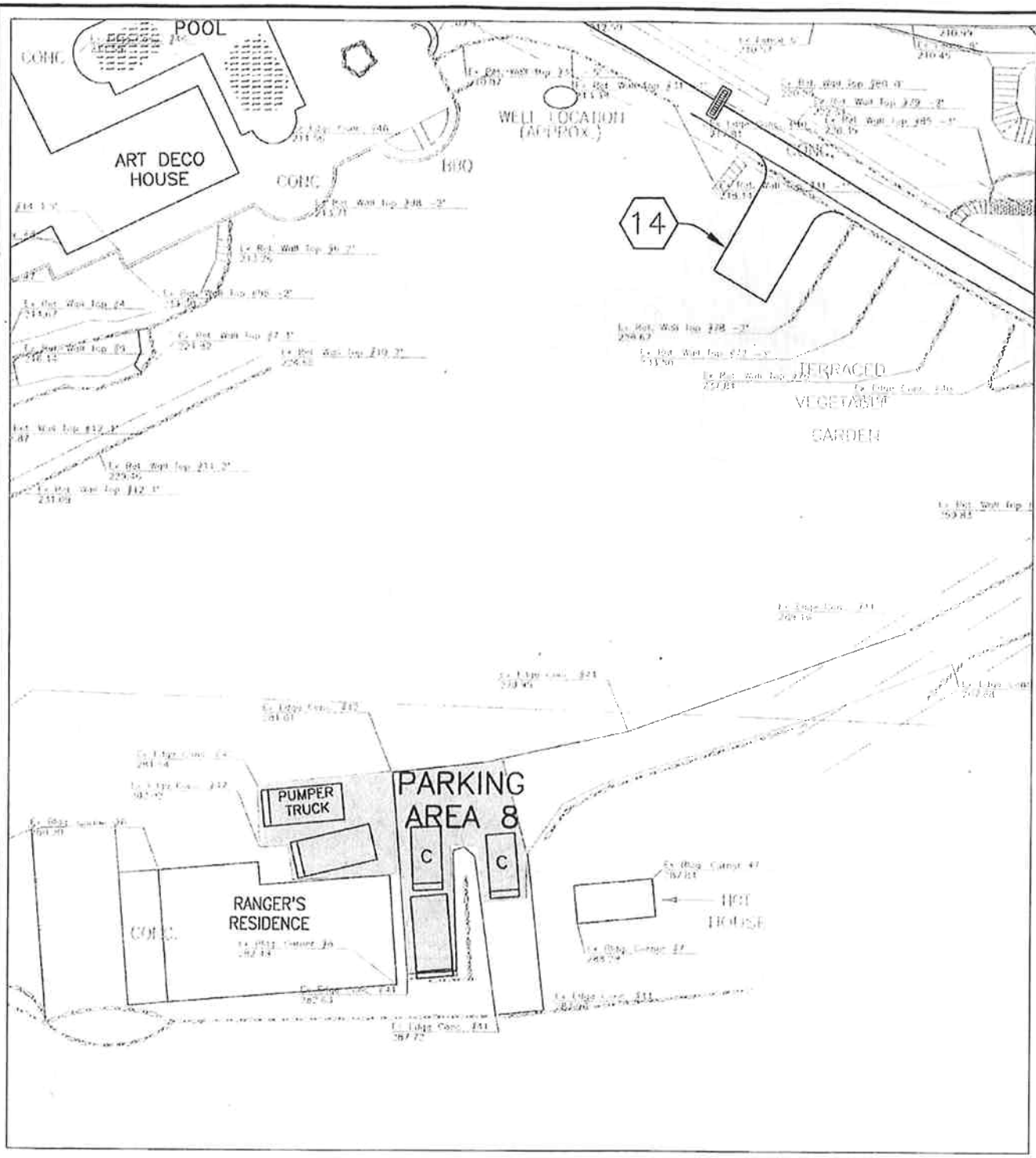

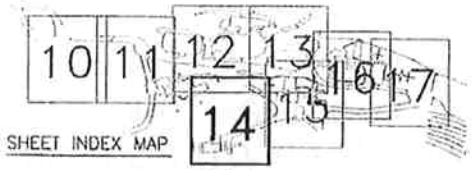

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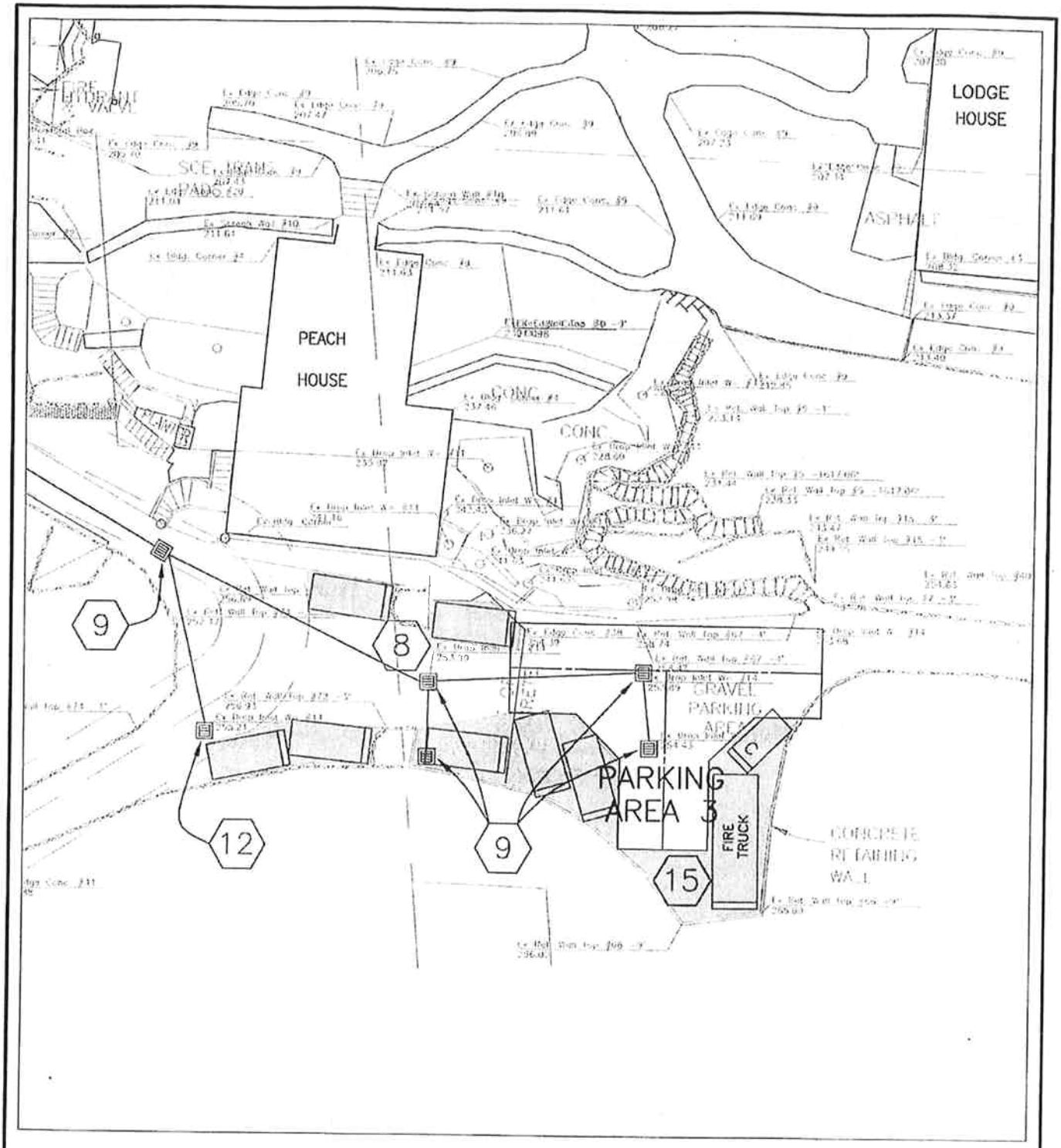

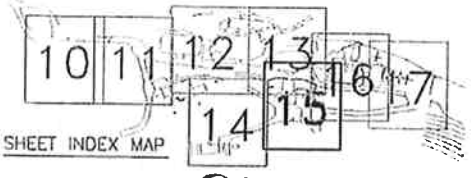

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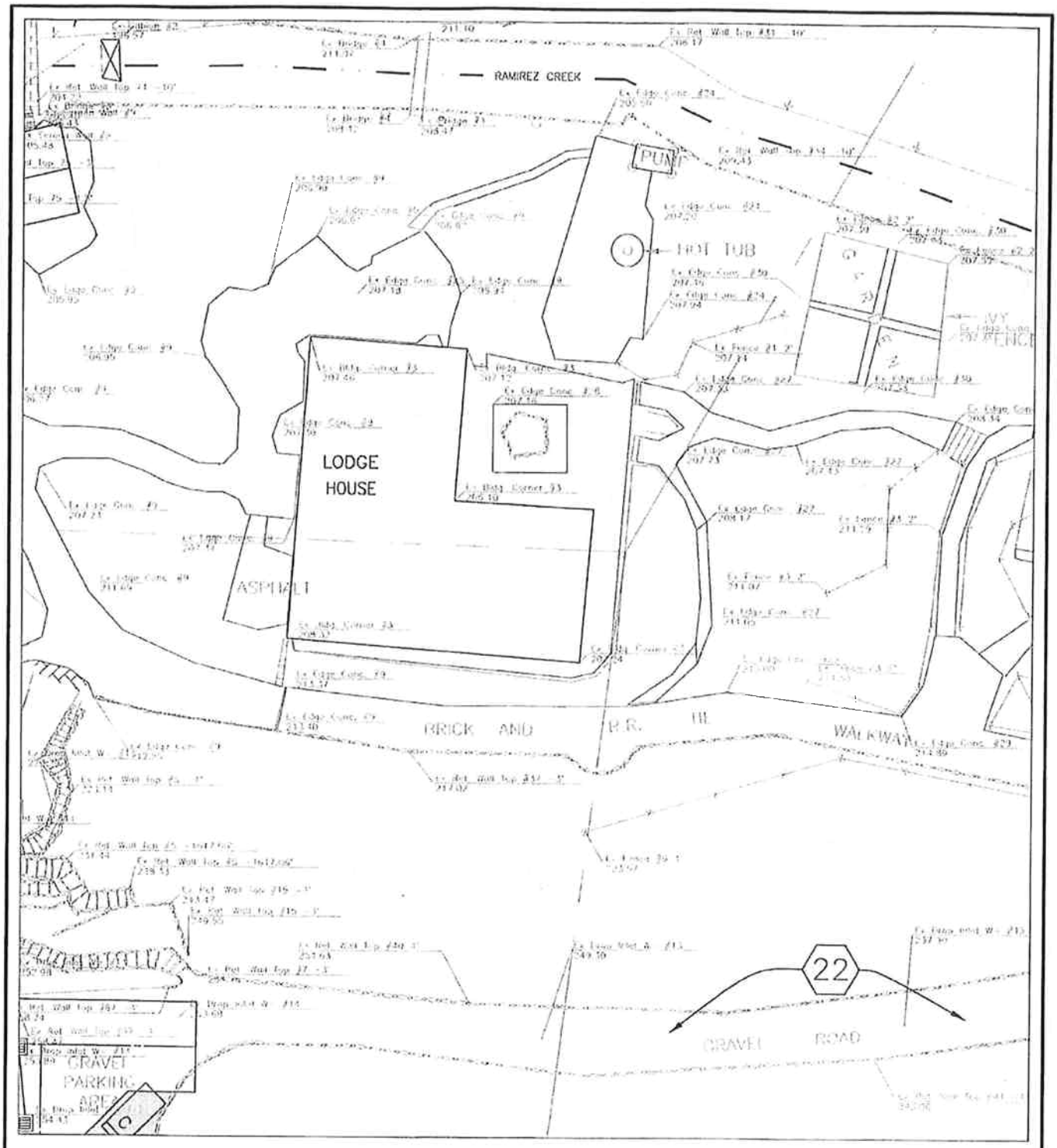

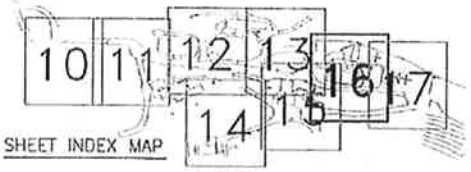

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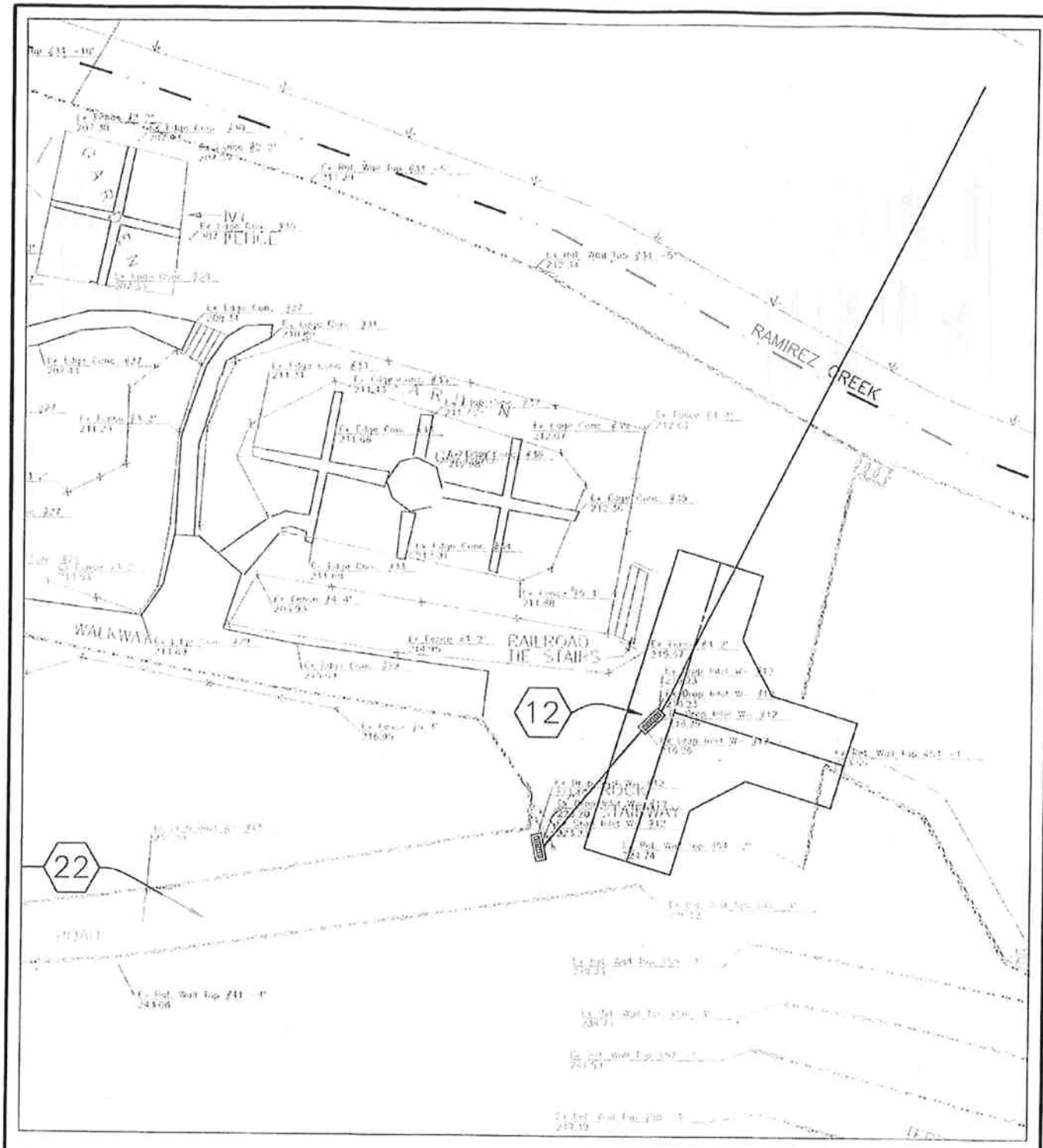

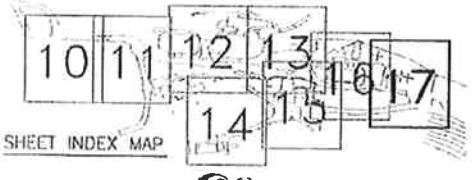

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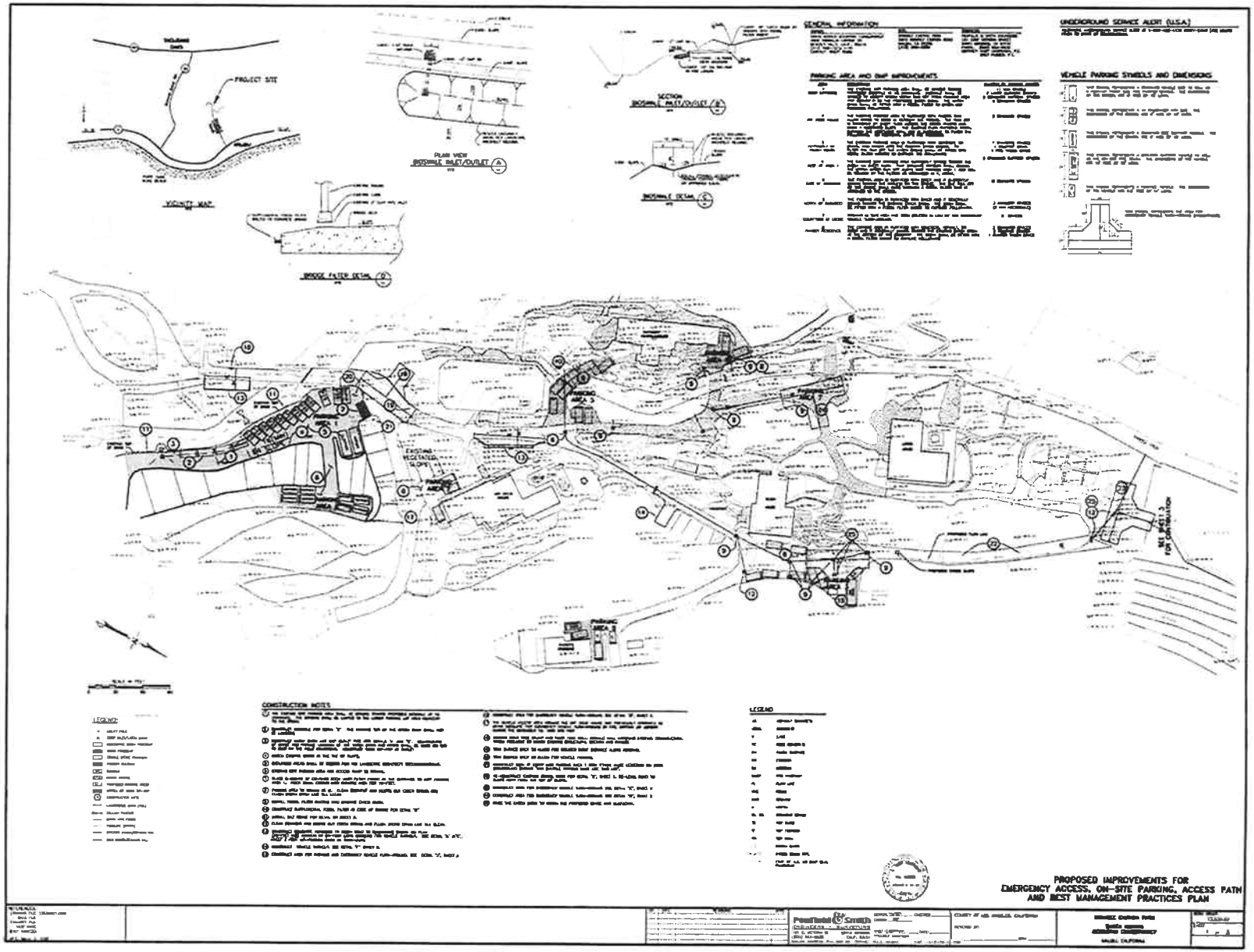
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VICINITY MAP
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